

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF APS/CPS OF THE EXISTING TRAFFIC SIGNAL AND THE RECONSTRUCTION OF THE ADA RAMPS AT THE INTERSECTION OF MD 193 AND LAKECREST DRIVE IN PRINCE GEORGE'S COUNTY, MD 193 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULLY-TRAFFIC-ACTUATED MODE. THERE IS EXCLUSIVE/PERMISSIVE LEFT TURN PHASING FOR BOTH THE EAST AND WEST APPROACHES OF MD 193 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY. LAKECREST DR THROUGH MOVEMENTS WILL ALSO RUN CONCURRENTLY. THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE EAST LEG OF THE INTERSECTION AND THERE ARE PEDESTRIAN INDICATIONS FOR THE NORTH LEG OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. PG8925177

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

NO EQUIPMENT WILL BE SUPPLIED BY THE ADMINISTRATION.

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

CATEGORY	QUANTITY	UNIT	DESCRIPTION
201032	4	CY	CLASS 2 EXCAVATION
203030	4	CY	TEST PIT EXCAVATION
585412	335	LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
585424	65	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
634300	205	LF	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH DEPTH
655105	825	SF	5 INCH CONCRETE SIDEWALK
655120	45	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
800000	4	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION
800000	4	EA	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL HEAD
800000	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
801004	1	CY	CONCRETE FOR SIGNAL FOUNDATION
801605	52	SF	SHEET ALUMINUM SIGNS, CONSISTING OF:
	4	EA	R10-3(1) (9" x 15") POLE MOUNTED
	2	EA	M1-5(6) (48" x 72") POLE MOUNTED
802501	75	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805125	70	LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
818004	4	EA	10 FOOT BREAKAWAY PEDESTAL POLE
861105	625	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	675	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)

C. EQUIPMENT TO BE REMOVED.

ALL EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.

CONTACTS

Mr. Venu Nemani  
Assistant District Engineer - Traffic  
Phone: (301) 513-7404

Mr. Tom Fountain  
Assistant District Engineer - Maintenance  
Phone: (301) 513-7304

Mr. Victor Grafton  
Utility Engineer  
Phone: (301) 513-7350

Mr. Avijit Maji  
Chief, Traffic Operations Division  
Phone: (410) 787-7630

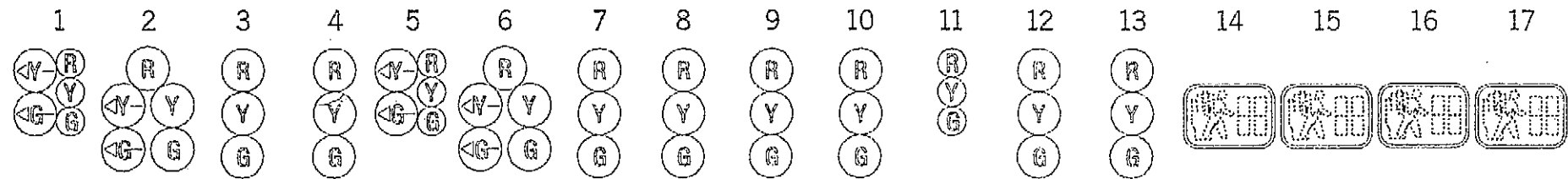
Mr. Ed. Rodenhizer  
Supervisor, Signal Operations  
Phone: (410) 787-7650

Mr. Sonny Bailey  
Supervisor, Sign Shop  
Phone: (410) 787-7676

Mr. Mike Stocker  
Supervisor, Signal Warehouse  
Phone: (410) 787-7668

Power Company Representative - PEPCO (PG)  
Mr. Richard Chilcoat, Service Associate  
PEPCO Engineering  
8300 Old Marlboro Pike  
Upper Marlboro, MD 20772  
Phone: (301) 967-5805, Fax: (301) 967-5820  
email: rachilcoat@pepco.com

PHASE CHART

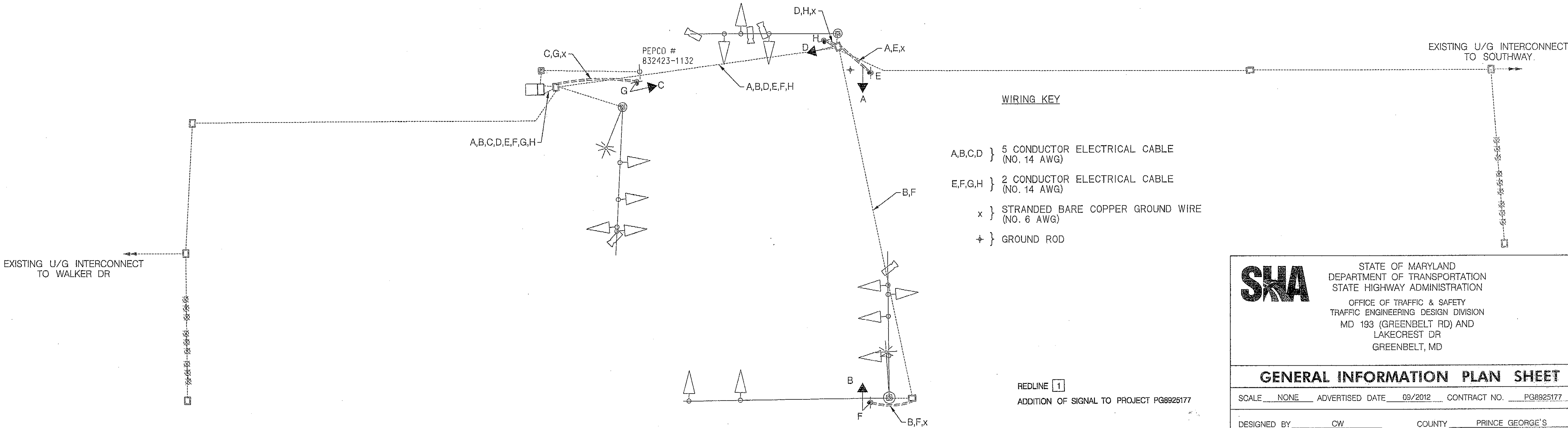


PHASE 1 AND 5	←G/R	←G/R	R	R	←G/R	←G/R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																	
PHASE 1 AND 6	←G/G	←G/G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
1 CHANGE	←Y/G	←Y/G	G	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 5	R	R	R	R	←G/G	←G/G	G	G	R	R	R	R	R	DW	DW	DW	DW
5 CHANGE	R	R	R	R	←Y/G	←Y/G	G	G	R	R	R	R	R	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	G	G	R	R	R	R	R	DW	DW	WK	WK
PED CLEARANCE	G	G	G	G	G	G	G	G	R	R	R	R	R	DW	DW	FL/DW	FL/DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	Y	Y	R	R	R	R	R	DW	DW	DW	DW
PHASE 4 AND 8	R	R	R	R	R	R	R	R	G	G	G	G	G	DW	DW	DW	DW
4 AND 8 CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW
PHASE 4 AND 8 ALT	R	R	R	R	R	R	R	R	G	G	G	G	G	WK	WK	DW	DW
PED CLEARANCE	R	R	R	R	R	R	R	R	G	G	G	G	G	FL/WK	FL/WK	DW	DW
4 AND 8 ALT CHANGE	R	R	R	R	R	R	R	R	Y	Y	Y	Y	Y	DW	DW	DW	DW
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK



MD 193 IS ASSUMED TO RUN  
IN AN EAST/WEST DIRECTION

WIRING DIAGRAM



WIRING KEY

- A,B,C,D } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E,F,G,H } 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- x } STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- + } GROUND ROD

REDLINE 1

ADDITION OF SIGNAL TO PROJECT PG8925177

**BAI** BRUDIS & ASSOCIATES, INC.  
Consulting Engineers  
9240 Rumsey Road, Suite C  
Columbia, Maryland 21045  
Phone: 410-984-9807  
www.brudis.com

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 193 (GREENBELT RD) AND  
LAKECREST DR  
GREENBELT, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 09/2012 CONTRACT NO. PG8925177

DESIGNED BY CW COUNTY PRINCE GEORGE'S  
DRAWN BY CW LOGMILE 16019306.56  
CHECKED BY RM TMS NO. 1274  
F.A.P. NO. TOD NO.

TS NO. 4363A DRAWING GN-1 OF 1 SHEET NO. 21 OF 26